

CLAIMS

What is claimed is:

1. A display comprising:
 - a light source;
 - light dividing means for dividing light emitted by the light source; and
 - a plurality of modulation means which modulates the divided light to incident light capable of displaying an image and projects the incident light to a screen to display the image.
2. A display unit according to Claim 1, wherein the light dividing means includes a plurality of reflectors corresponding to the respective modulation means, wherein the reflectors are arranged on the optical path of the light emitted by the light source to reflect the emitted light respectively toward the corresponding modulation means.
3. A display unit according to Claim 2, wherein each of the reflectors is an integrated unit including a reflecting section for reflecting part of the emitted light toward the corresponding modulation means and a transmitting section for passing another part of the emitted light through other reflectors arranged apart from the light source.
4. A display unit according to Claim 1, wherein the light dividing means includes a plurality of prisms arranged corresponding to the respective modulation means, the prisms being arranged on the optical path of the light emitted by the

light source to change the optical path of the emitted light toward the modulation means.

5. A display unit according to Claim 1, wherein the light dividing means includes a plurality of optical fibers capable of guiding the light emitted by the light source to the respective modulation means.

6. A game machine system comprising the display unit as set forth in Claim 1 and a plurality of game machines each having the screen.

7. A display unit comprising:
a plurality of displays;
a plurality of modulators positioned to independently correspond with each of said plurality of displays; and
a common light source emitting light to each of said plurality of modulators.

8. The display unit of claim 7 further comprising:
light directing means for directing at least part of said light to each of said plurality of modulators.

9. The display unit of claim 8 wherein said light directing means further comprises:
a plurality of light reflectors sequentially positioned along an optical path of said light, at least an upstream one of said plurality of light reflectors being partially transmissive.

10. The display unit of claim 8 wherein said light directing means further comprises:

a plurality of prisms sequentially positioned along an optical path of said light.

11. The display unit of claim 8 wherein said light directing means further comprises:

a plurality of optical fibers disposed between said light source and each of said plurality of modulators.